

Comprehensive Introduction SQL & Power Query

Length: 1 Day

Overview: This one-day information-packed hands-on instructor-led course is aimed at professionals looking to move into a database professional role or whose job role is expanding to encompass database elements. The course describes fundamental database concepts including database types, database languages, and database designs in addition to introducing everyone to Power Query.

At course completion: After completing this course, students will be able to:

- Describe key database concepts in the context of SQL Server
- Describe database languages used in SQL Server
- Describe data modelling techniques
- Describe and use SQL Server Management Studio
- Describe and use Power Query
- Describe relationship types and effects in database design
- Describe the effects of database design on performance
- Describe commonly used database object

COURSE CONTENT

Module 1: Introduction to databases

This module introduces key database concepts in the context of SQL Server.

- Introduction to relational databases
- Other types of databases
- Data analysis
- Database languages

Module 2: Using SQL Server Management Studio (SSMS)

This module introduces SSMS

- Designing & Creating Database
- Designing & Creating Tables

Module 3: Power Query (PQ)

This module introduces Power Query

- Data Transformations
- Common Data Tasks made easy
- Overview of the PQ interface
- Combine Tables

Module 4: Relationships

This module describes relationship types and effects in database design.

- Schema mapping
- Referential integrity

Module 5: Database Objects

This module introduces commonly used database objects.

- Tables
- Views
- Stored procedures